

Aron Teh

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I taught myself to code as a complete beginner, and less than 4 months later I secured my first full time software engineer position. Today, I am most confident in full-stack web development, with a recent interest in finance and machine learning.

👛 Professional Experience

Amazon  Nov 2022 – present | United Kingdom

Software Development Engineer

- Delivered a high priority, time-constrained project spanning multiple teams across the Living Room Platform organisation, facilitating a Prime Video launch in 8 new countries and expected to acquire 3 million new Prime customers.
- Communicated, mitigated and resolved high severity incidents and alerts during regular on-call rotations.
- Onboarded and welcomed 2 new engineers during eighth week of tenure, in absence of experienced team members.
- Developed efficient, scalable and robustly-tested API features with complex expectations and dependencies.
- Contributed to development of a universally compatible backend framework for current and future Living Room teams.

THG  Sep 2021 – Oct 2022 | United Kingdom

Software Engineer

- Developed and maintained an Angular component library and Java backend to be used by multiple internal teams.
- Collaborated effectively with UX designers to build Angular UIs for an internal content management system.

{ } Programming Languages

HTML | CSS (Sass, Less) | JavaScript | Typescript | Python | SQL | Java | MATLAB | Dart | C++ | R

🧠 Skills and Technologies

React (v18) | Next.js (v13) | Angular | Firebase (v9) | Git | Tailwind | npm | Yarn | Jest | Cypress | REST
webpack | Testing (Unit, Integrated, E2E) | Axios | RxJS | AWS | Bash | Scrum | Continuous Integration
Continuous Deployment | Docker | Kubernetes | Flask | GraphQL | Flutter | Vercel | Mathematics

🧩 Technical Personal Projects

SkyStory 

Angular, Firebase (Firestore, Authentication, Hosting), Tailwind, Angular Material, Axios, RxJS, REST API, PWA

- Dynamically themed and responsive progressive web application (PWA) where users can query live and forecasted weather information, utilising a third-party REST API service to retrieve global weather data.
- Integrated Firebase authentication and Firestore database automatically saves queries for authenticated users.

NanoNote 

Angular, Firebase (Firestore, Authentication, Hosting), Tailwind, Angular Material

- Lightweight and responsive web application for managing simple notes, secured with Firebase authentication.
- Users can create, manage, update, sort and categorise unlimited notes in an intuitive, minimalistic and dual-themed UI.

TurboFile 

React (Next.js), Firebase (Storage, Authentication), Tailwind, Material UI, Jest, Puppeteer, Vercel Hosting

- Responsive and multi-themed web application where users can upload and share files within seconds.
- Additional features to view, download and manage uploaded files are unlocked for users authenticated with Google.

🎓 Education

Imperial College London 2017 – 2021 | London, United Kingdom

Aeronautical Engineering (MEng, Master of Engineering)

Master's Thesis  : Sparse conic optimisation parallel solver with the Alternating Direction Method of Multipliers.


Notable Modules: High Performance Computing, Mathematics, Numerical Analysis, Optimisation, Control Systems.

🌐 Languages

English (Native Proficiency) | Chinese (Native Proficiency) | Cantonese (Beginner)

♟ Interests

Chess  (Youngest ever Malaysia National Chess Champion (2013), FIDE Master (Lifetime International Title), World Chess Olympiad Participant (Norway 2014), President of Imperial College London Chess Club (2018-2019), Private Teacher)

Machine Learning  | **Finance** | **Sports** (Swimming, Table Tennis, Badminton) | **Music**